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NOTICE OF ALLOWANCE AND FEE(S) DUE

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01/11/2008

BLAKELY SOKOLOFF TAYLOR & ZAFMAN 1279 OAKMEAD PARKWAY SUNNYVALE, CA 94085-4040

,	EXAN	MINER			
	LE, THO	NG QUOC			
ART UNIT		PAPER NUMBER			
282	7				

DATE MAILED: 01/11/2008

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO.

10/749.836 12/30/2003 Sang-Hee Kang 51876P559 9426

TITLE OF INVENTION: SEMICONDUCTOR MEMORY DEVICE HAVING ADVANCED REPAIR CIRCUIT

-	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE	
1	nonprovisional	NO	\$1440	\$300	\$0	\$1740	04/11/2008	2

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

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appropriate. All further indicated unless correcte maintenance fee notifica	ed below or directed oth	ng the Patent, advance of nerwise in Block 1, by (a	rders and notification a) specifying a new co	of m	aintenance fees woondence address;	ill be and/or	mailed to the current (b) indicating a separ	correspondence address as ate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fec(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
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BLAKELY SC 1279 OAKMEA SUNNYVALE,		OR & ZAFMAN		l her State addre trans	eby certify that this s Postal Service we seed to the Mail mitted to the USP1	s Fec(sith suf Stop TO (57	b) Transmittal is being ficient postage for first ISSUE FEE address at 1) 273-2885, on the da	deposited with the United class mail in an envelope bove, or being facsimile te indicated below.
								(Depositor's name)
								(Signature)
			:					(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	TOR		АТТО	RNEY DOCKET NO.	CONFIRMATION NO.
10/749,836	12/30/2003		Sang-Hee Kang				51876P559	9426
TITLE OF INVENTION	: SEMICONDUCTOR N	MEMORY DEVICE HAV	ING ADVANCED RI	EPAI	R CIRCUIT			,
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	ree.	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300		\$0		\$1740	04/11/2008
EXAM		ART UNIT	CLASS-SUBCLASS					
LE, THON		2827	365-200000					·
Change of correspondence address or indication of "Fee Address" (37 EFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (baying as a member a 2								
Address form PTO/SE "Fee Address" indi PTO/SB/47; Rev 03-0 Number is required.	(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.							
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			**		,	e is id	entified below, the do	cument has been filed for
(A) NAME OF ASSIC	GNEE		(B) RESIDENCE: (C	ITY	and STATE OR C	OUNT	RY)	باره خ
								3
lease check the appropri	ate assignee category or	categories (will not be pr	inted on the patent):		Individual Co	rporati	on or other private grou	p entity Government
a. The following fcc(s) are submitted: 4b. Payment of Fcc(s): (Please first reapply any previously paid issue fee shown above)								
☐ Issue Fee	o small entity discount n	ermitted)	A check is enclose		Form PTO-2038	ic atta	ched	
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	us (from status indicated	-	overpayment, to D	cpos	it Account Number	r	(enclose an	extra copy of this form).
	SMALL ENTITY statu		☐ b. Applicant is no	long	er claiming SMAL	L ENT	TTY status. See 37 CF	R 1.27(g)(2).
OTE: The Issue Fee and	Publication Fee (if requeereds of the United State	uired) will not be accepted tes Patent and Trademark	I from anyone other th					assignee or other party in
					Date .			1
Authorized Signature Date Typed or printed name Registration No								
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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) in application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and ubmitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete his form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. tox 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, alexandria, Virginia 22313-1450.								

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10/749,836	12/30/2003	Sang-Hec Kang	51876P559	9426		
8791 7	590 01/11/2008		EXAMINER			
0171	OLOFF TAYLOR & ZAFMAI	ZAFMAN	LE, THONG QUOC			
1279 OAKMEAD			ART UNIT	PAPER NUMBER ;		
SUNNYVALE, C	CA 94085-4040		2827	00		
			DATE MAILED: 01/11/2008			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.